

# Programación de Microservicios con Spring Boot y Red Hat SSO

Nivel Avanzado

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# Modulo 5 Configuración de Realms, Clientes y Roles

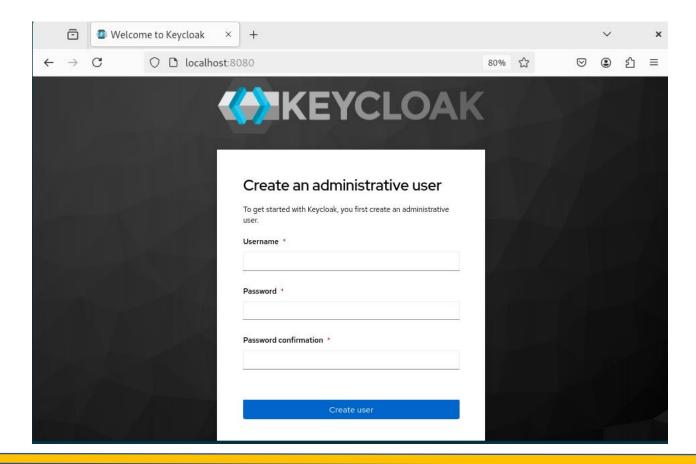
**Objetivo**: Introducción a Red Hat SSO y su integración con el desarrollo de aplicaciones con Spring Boot

Duración: 1h



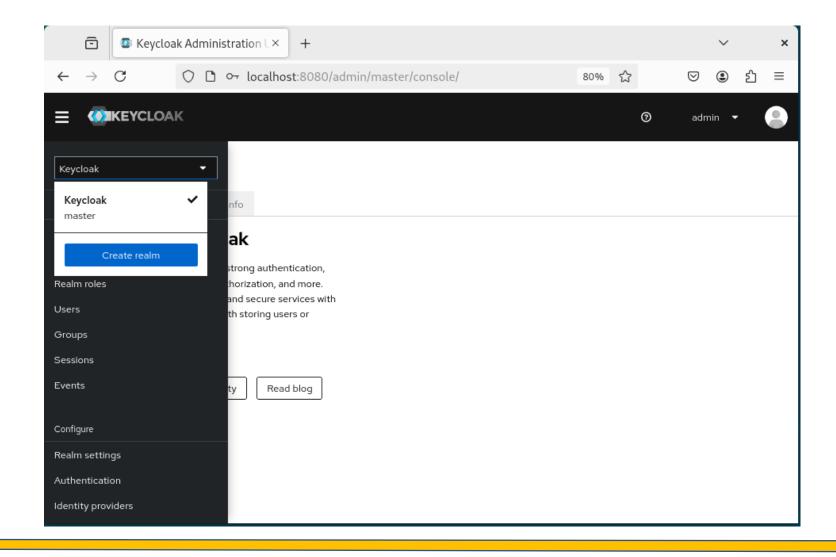
# Iniciando Keycloak/Red Hat SSO

\$ks.sh start-dev



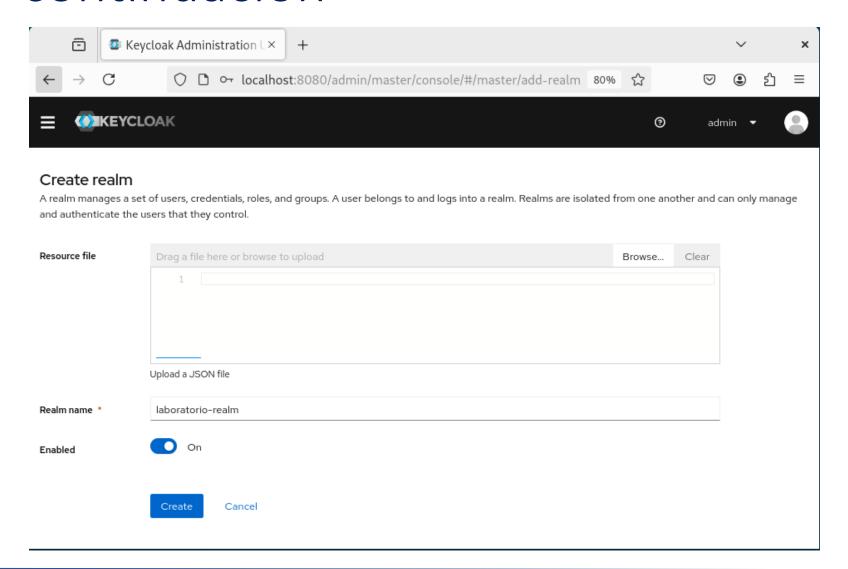


### Crear un realm específico para microservicios



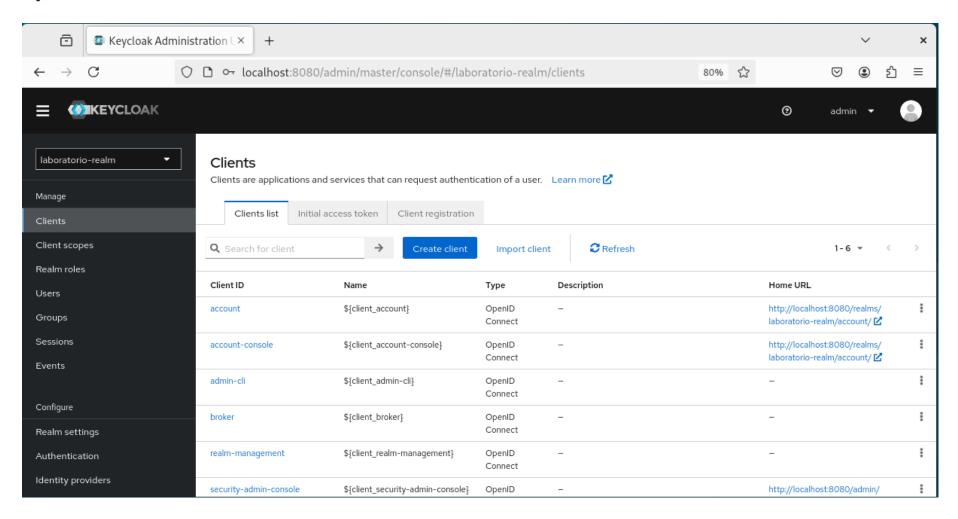


#### continuación

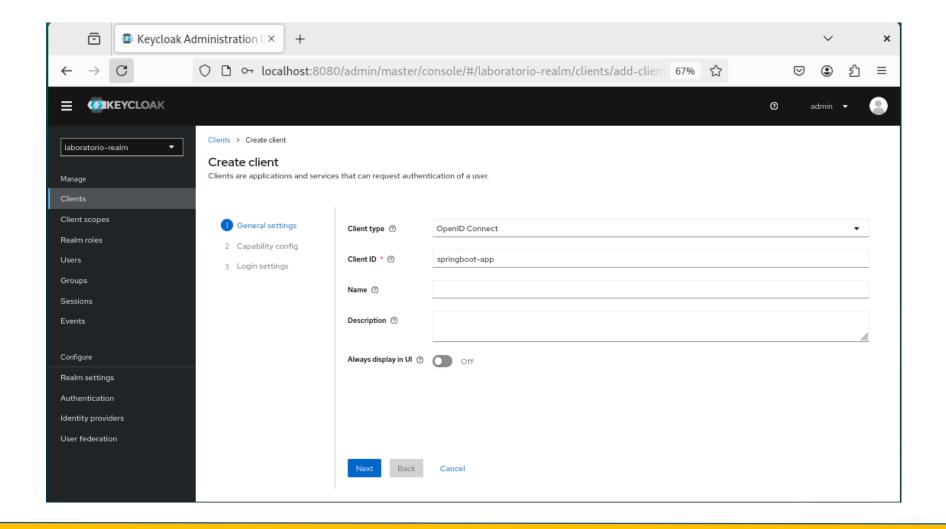




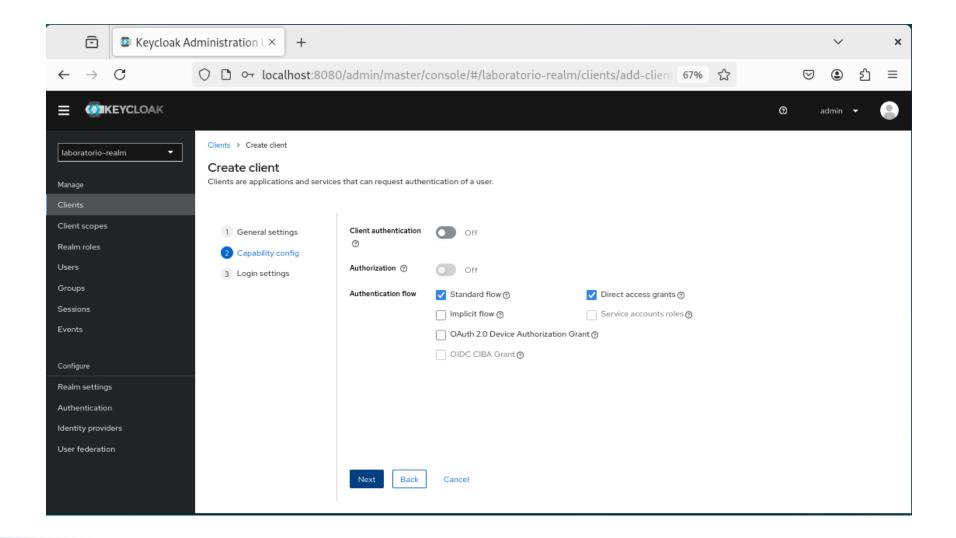
# Configuración de clientes confidenciales y públicos



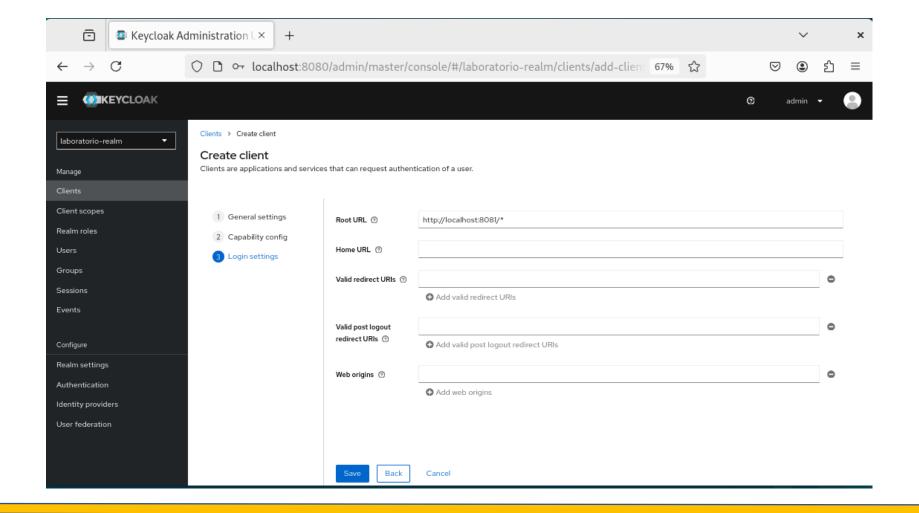




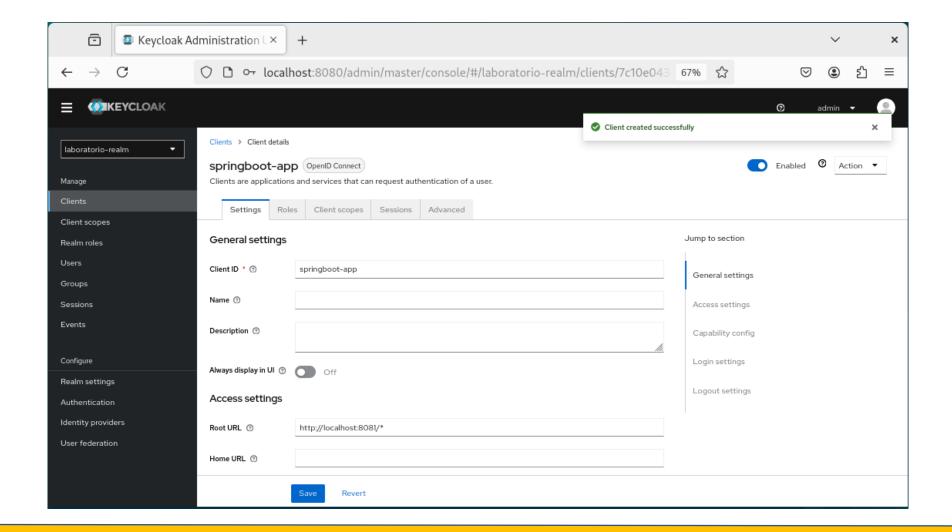






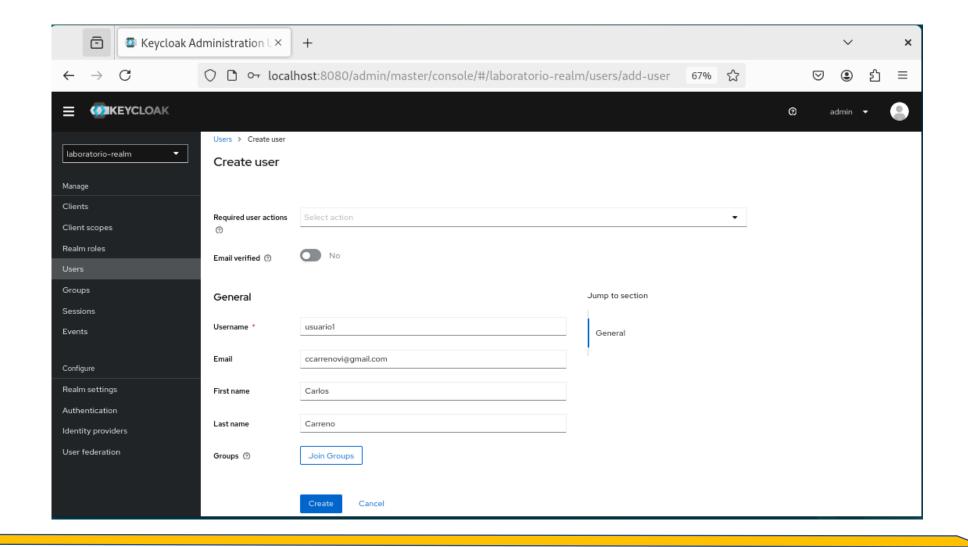






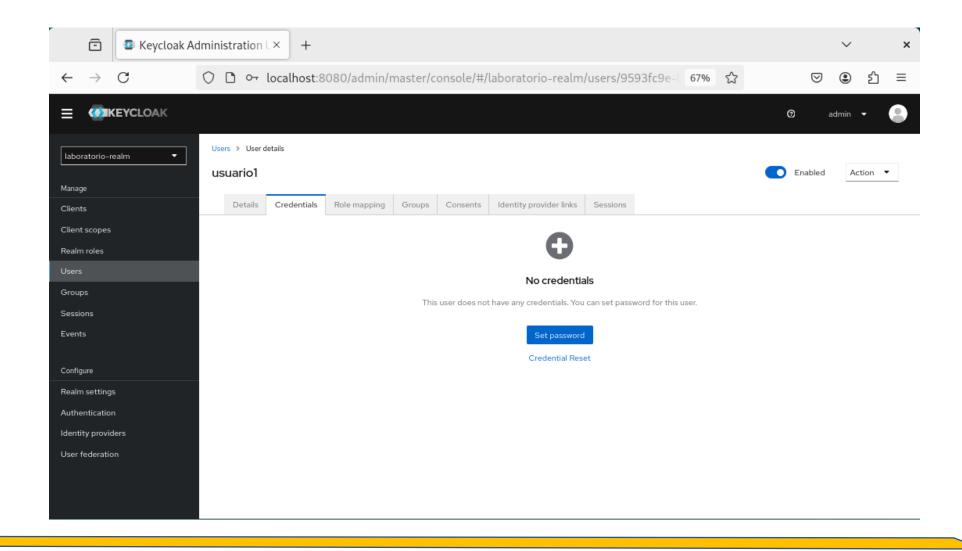


#### Creación de Usuarios

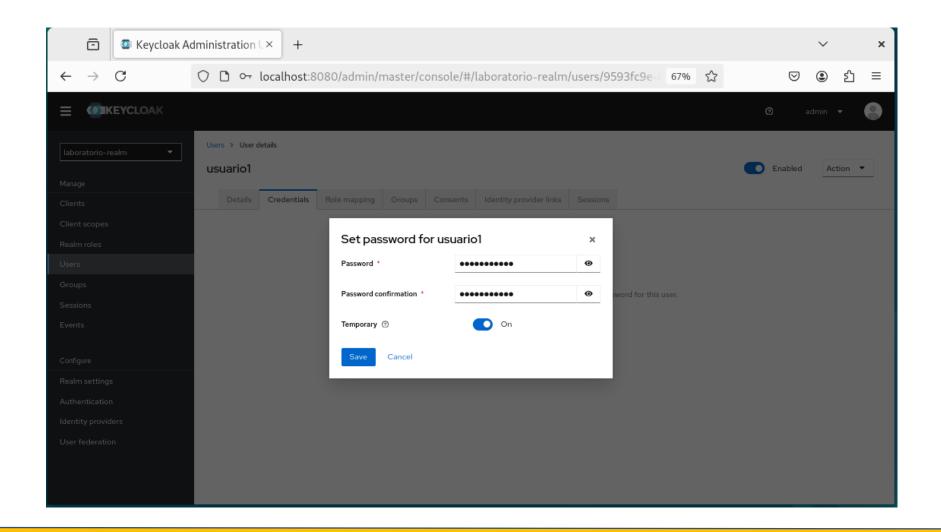




#### Credenciales del Usuario







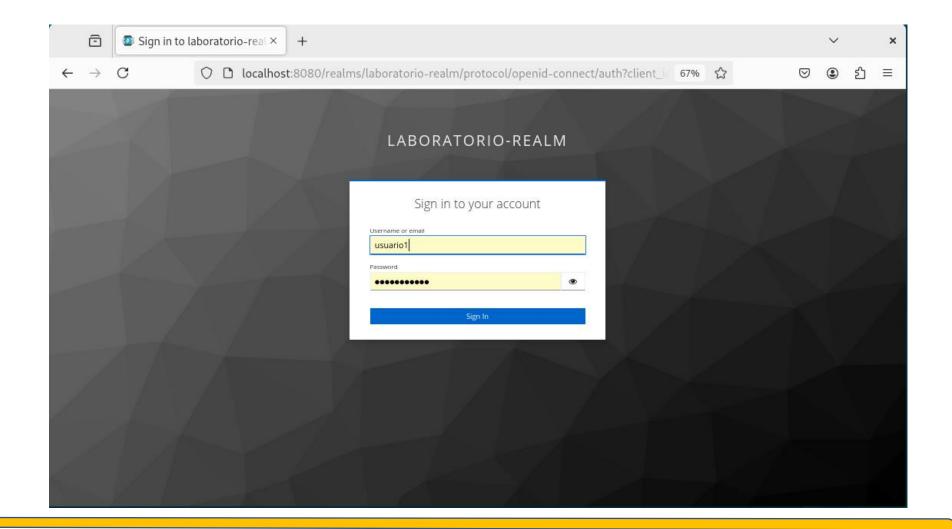


## Resolución de problemas

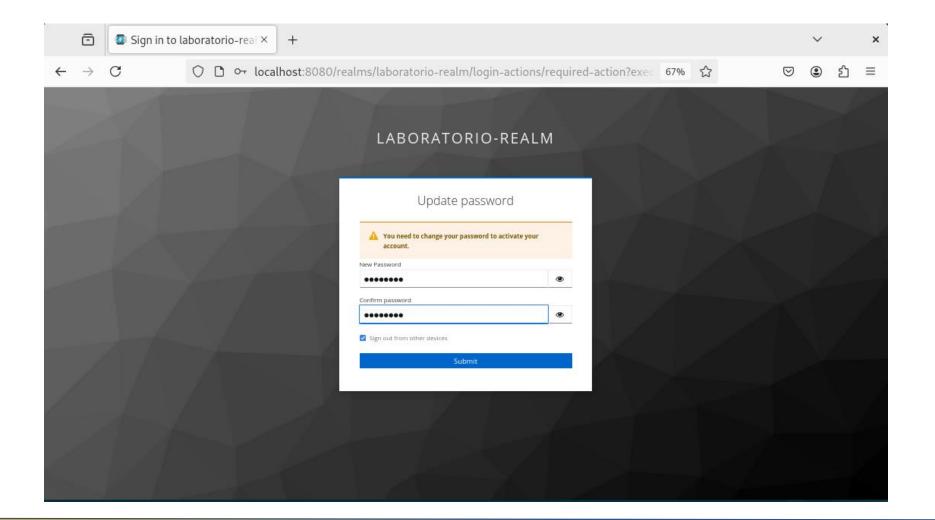
Account is not fully set up

```
devops@devops:~$ curl -X POST http://localhost:8080/realms/laboratorio-realm/protocol/openid-connect/token -H "Content-Type: application/x-www-form-urle ncoded" -d "client_id=springboot-app" -d "username=usuario1" -d "password=password123" -d "grant_type=password" {"error":"invalid_grant","error_description":"Account is not fully set up"}devops@devops:~$
```







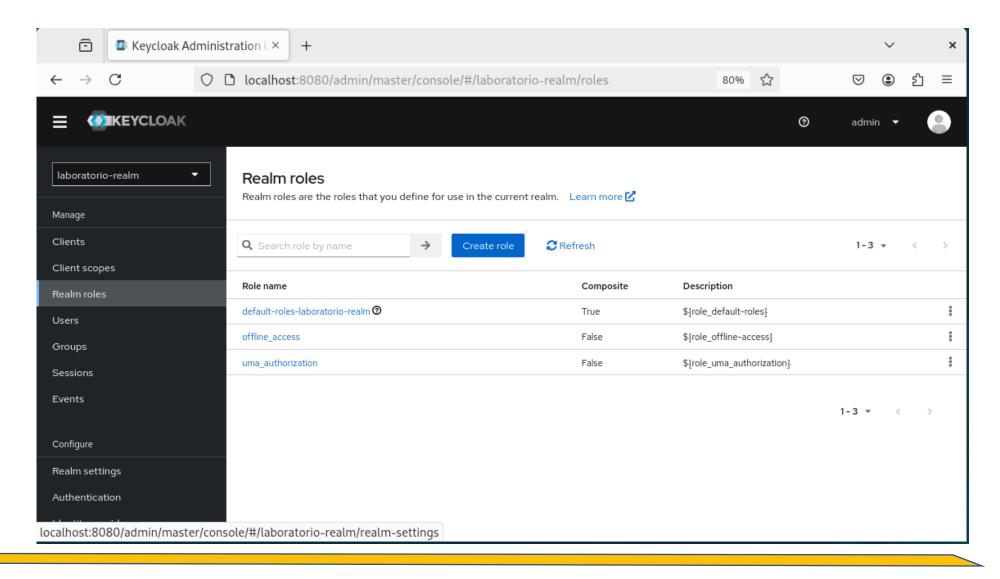




devops@devops: ~ devops@devops: ~/sso/keyclo; X devops@devops:~\$ curl -X POST http://localhost:8080/realms/laboratorio-realm/protocol/openid-connect/token -H "Content-Type: application/x-www-form-urle ncoded" -d "client\_id=springboot-app" -d "username=usuario1" -d "password=clave123" -d "grant\_type=password" {"access\_token":"eyJhbGciOiJSUzI1NiIsInR5cCIqOiAiSldUIiwia2lkIiA6ICJJOWFfX1M1cXRsZXVUcndsOVpyUk5HMUdVcE5Jd1owc3O2akNqWmoyZVJjInO.eyJleHAiOjE3NTA2MjUzNzAsI mlhdCI6MTc1MDYyNTA3MCwianRpIjoiZTk5MDMzZjEt0GEwZC000TEyLTg3NjYtMjI10WE1YThjYjg3IiwiaXNzIjoiaHR0cDovL2xvY2FsaG9zdDo4MDgwL3JlYWxtcy9sYWJvcmF0b3Jpby1yZWFsbSI sImF1ZCI6ImFjY291bnQiLCJzdWIi0iI5NTkzZmM5ZS04ZmQzLTQ30TUtYjg3NS1lNzRiYzIwYzU0M2EiLCJ0eXAi0iJCZWFyZXIiLCJhenAi0iJzcHJpbmdib290LWFwcCIsInNlc3Npb25fc3RhdGUi0 iI3OTRjODEwMS05MzZlLTQ5N2ItODIxNC1jMWI3NTg10WY2ZDciLCJhY3IiOiIxIiwiYWxsb3dlZC1vcmlnaW5zIjpbImh0dHA6Ly9sb2NhbGhvc3Q60DA4MSJdLCJyZWFsbV9hY2Nlc3MiOnsicm9sZXM iOlsib2ZmbGluZV9hY2Nlc3MiLCJ1bWFfYXV0aG9yaXphdGlvbiIsImRlZmF1bHOtcm9sZXMtbGFib3JhdG9yaW8tcmVhbG0iXX0sInJlc291cmNlX2FjY2VzcyI6eyJhY2NvdW50Ijp7InJvbGVzIjpbI mlhbmFnZS1hY2NvdW50IiwibWFuYWdlLWFjY291bnQtbGlua3MiLCJ2aWV3LXByb2ZpbGUiXX19LCJzY29wZS16InByb2ZpbGUgZW1haWwiLCJzaWQiOiI3OTRjODEwMS05MzZlLTQ5N2ItODIxNC1jMWI 3NTq10WY2ZDciLCJlbWFpbF92ZXJpZmllZĆI6ZmFsc2UsIm5hbWUi0iJDYXJsb3MqQ2FycmVubyIsInByZWZlcnJlZF91c2VybmFtZSI6InVzdWFyaW8xIiwiZŹl2ZW5fbmFtZSI6ÌkNhcmxvcyIsImZhb WlseV9uYW1lIjoiQ2FycmVubyIsImVtYWlsIjoiY2NhcnJlbm92aUBnbWFpbC5jb20ifQ.adnOkBDF9vDbQYiKGG0lOGixYaRKhKTyWdMrrPuZKyjluMnBy0q-chdduGM2In0ndKGfrVN9sq9VEdGDrK2y 2Hv497pebtCKjRo8xzgU6QGGXxEEspAEq-HCInKMmy6AzroEas2EosninZt8Iz1EAs29z2EynvwUeL-4ZboKzuAESagCV8ESg\_e4ZGRCaLx0tBRFYjLo5AGN5s1Tq5KMtlmQkxXDEggMN2CdXbHPU9A8WP q2POB4wGLnOjfoo3-6bUfbNLpobrou4ayloJsjQC91uoFK6gD4Qmoyzc1a85u2LxUwvXniw1TRU609UoPD3SJm6Zek6ICo4jRYi8BqFA", "expires\_in":300, "refresh\_expires\_in":1800, "refr esh\_token":"eyJhbGciOiJIUzUxMiIsInR5cClqOiAiSldUIiwia2lkIiA6ICI0OThmNTM5MC04MzEwLTQzNDqtYTQwYi03MzliMzI0NTYzNDIifQ.eyJleHAiOjE3NTA2MjY4NzAsImlhdCI6MTc1MDY yNTA3MCwianRpIjoiMjcyZTcwOTgtODdmNS00MGRhLTgyMzItZjZkOTdkMmYzMjJjIiwiaXNzIjoiaHR0cDovL2xvY2FsaG9zdDo4MDgwL3JlYWxtcy9sYWJvcmF0b3Jpby1yZWFsbSIsImF1ZCI6Imh0d HA6Ly9sb2NhbGhvc3Q60DA4MC9yZWFsbXMvbGFib3JhdG9yaW8tcmVhbG0iLCJzdWIiOiI5NTkzZmM5ZS04ZmQzLTQ3OTUtYjg3NS1lNzRiYzIwYzU0M2EiLCJ0eXAiOiJSZWZyZXNoIiwiYXpwIjoic3B yaW5nYm9vdC1hcHAiLCJzZXNzaW9uX3N0YXRlIjoiNzk0YzgxMDEtOTM2ZS00OTdiLTgyMTQtYzFiNzU4NTlmNmQ3liwic2NvcGUiOiJwcm9maWxlIGVtYWlsIiwic2lkIjoiNzk0YzgxMDEtOTM2ZS00O TdiLTgyMTQtYzFiNzU4NTlmNmQ3In0.1FPdT5vsHnmKaiArcPPNUX5nmMoQvDZzXUmMgObBwAPuyvrdst3nzgsX6ivqC4spOQq1--Ryloi3KCgp48l5GA","token\_type":"Bearer","not-before-p olicy":0, "session\_state": "794c8101-936e-497b-8214-c1b75859f6d7", "scope": "profile email"}devops@devops:~\$

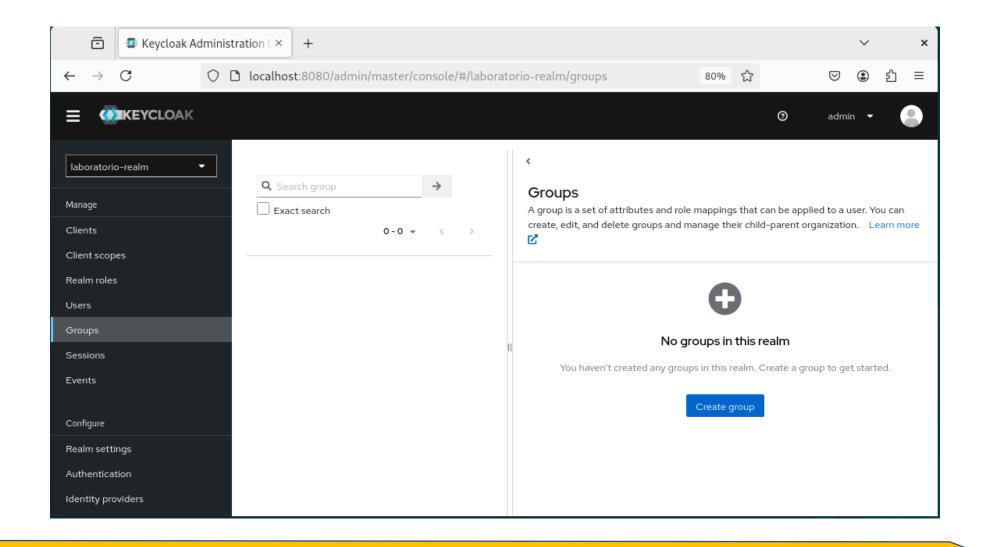


## Definición de roles y grupos





#### continuación





#### Lab

• Práctica: Configuración completa para un cliente Spring Boot

